

WHAT IS CLAIMED IS:

1. A method for fabricating a field emission display, comprising the steps of:
forming a cathode electrode on a substrate;
forming an emitter having a carbon-based material on the cathode electrode;
5 depositing an emitter surface treatment agent on the substrate to cover the
emitter;
hardening the emitter surface treatment agent; and
removing the hardened emitter surface treatment agent from the substrate such
that the carbon-based material contained in the emitter can be exposed.

10 2. The method of claim 1, wherein the step of forming the emitter further
comprises the steps of:
printing a paste having the carbon-based material on the cathode electrode; and
heat-treating the printed paste at a temperate lower than a complete-baking
temperature for the paste.

15 3. The method of claim 2, wherein the paste is printed through a screen-
printing process using a metal mesh screen.

4. The method of claim 1, wherein the carbon-based material is selected
from the group consisting of a carbon nanotube, graphite, and diamond.

20 5. The method of claim 1, wherein the emitter surface treatment agent is
deposited through a spin-coating process.

6. The method of claim 1, wherein the emitter surface treatment agent is
hardened by a heat-treatment process.

7. The method of claim 1, wherein the emitter surface treatment agent is a

polyimide solution.

8. The method of claim 2, wherein the printed paste is heat-treated at the temperature of about 350-430°C for about 2 minutes.

9. The method of claim 6, wherein the heat-treatment process is performed
5 in a state where the substrate deposited with the surface treatment agent is located on a hot plate maintaining a temperature of about 90°C for about 20 minutes.

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